

Product datasheet for RC200516L3

OriGene Technologies, Inc.

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Retinoid X Receptor beta (RXRB) (NM_021976) Human Tagged Lenti ORF Clone

Product data:

Product Type: Expression Plasmids

Product Name: Retinoid X Receptor beta (RXRB) (NM_021976) Human Tagged Lenti ORF Clone

Tag: Myc-DDK

Symbol: Retinoid X Receptor beta

Synonyms: DAUDI6; H-2RIIBP; NR2B2; RCoR-1

Mammalian Cell Puromycin

Selection:

Vector: pLenti-C-Myc-DDK-P2A-Puro (PS100092)

E. coli Selection: Chloramphenicol (34 ug/mL)

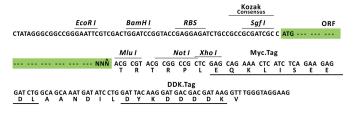
ORF Nucleotide The ORF insert of this clone is exactly the same as(RC200516).

Sequence:

Sgfl-Mlul

Restriction Sites: Cloning Scheme:





^{*} The last codon before the Stop codon of the ORF.

ACCN: NM_021976

ORF Size: 1599 bp



Retinoid X Receptor beta (RXRB) (NM_021976) Human Tagged Lenti ORF Clone - RC200516L3

OTI Disclaimer: The molecular sequence of this clone aligns with the gene accession number as a point of

reference only. However, individual transcript sequences of the same gene can differ through naturally occurring variations (e.g. polymorphisms), each with its own valid existence. This clone is substantially in agreement with the reference, but a complete review of all prevailing

variants is recommended prior to use. More info

OTI Annotation: This clone was engineered to express the complete ORF with an expression tag. Expression

varies depending on the nature of the gene.

Components: The ORF clone is ion-exchange column purified and shipped in a 2D barcoded Matrix tube

containing 10ug of transfection-ready, dried plasmid DNA (reconstitute with 100 ul of water).

Reconstitution Method: 1. Centrifuge at 5,000xg for 5min.

2. Carefully open the tube and add 100ul of sterile water to dissolve the DNA.

3. Close the tube and incubate for 10 minutes at room temperature.

4. Briefly vortex the tube and then do a quick spin (less than 5000xg) to concentrate the liquid

at the bottom.

5. Store the suspended plasmid at -20°C. The DNA is stable for at least one year from date of

shipping when stored at -20°C.

RefSeq: NM 021976.3

 RefSeq Size:
 2892 bp

 RefSeq ORF:
 1602 bp

 Locus ID:
 6257

 UniProt ID:
 P28702

Cytogenetics: 6p21.32

Domains: HOLI, zf-C4

Protein Families: Druggable Genome, Nuclear Hormone Receptor, Transcription Factors

Protein Pathways: Adipocytokine signaling pathway, Non-small cell lung cancer, Pathways in cancer, PPAR

signaling pathway, Small cell lung cancer, Thyroid cancer

MW: 56.7 kDa

Gene Summary: This gene encodes a member of the retinoid X receptor (RXR) family of nuclear receptors

which are involved in mediating the effects of retinoic acid (RA). The encoded protein forms homodimers with the retinoic acid, thyroid hormone, and vitamin D receptors, increasing both DNA binding and transcriptional function on their respective response elements. This gene lies within the major histocompatibility complex (MHC) class II region on chromosome 6. Alternatively spliced transcript variants encoding multiple isoforms have been observed for

this gene. [provided by RefSeq, Jul 2012]